

FIG. 1

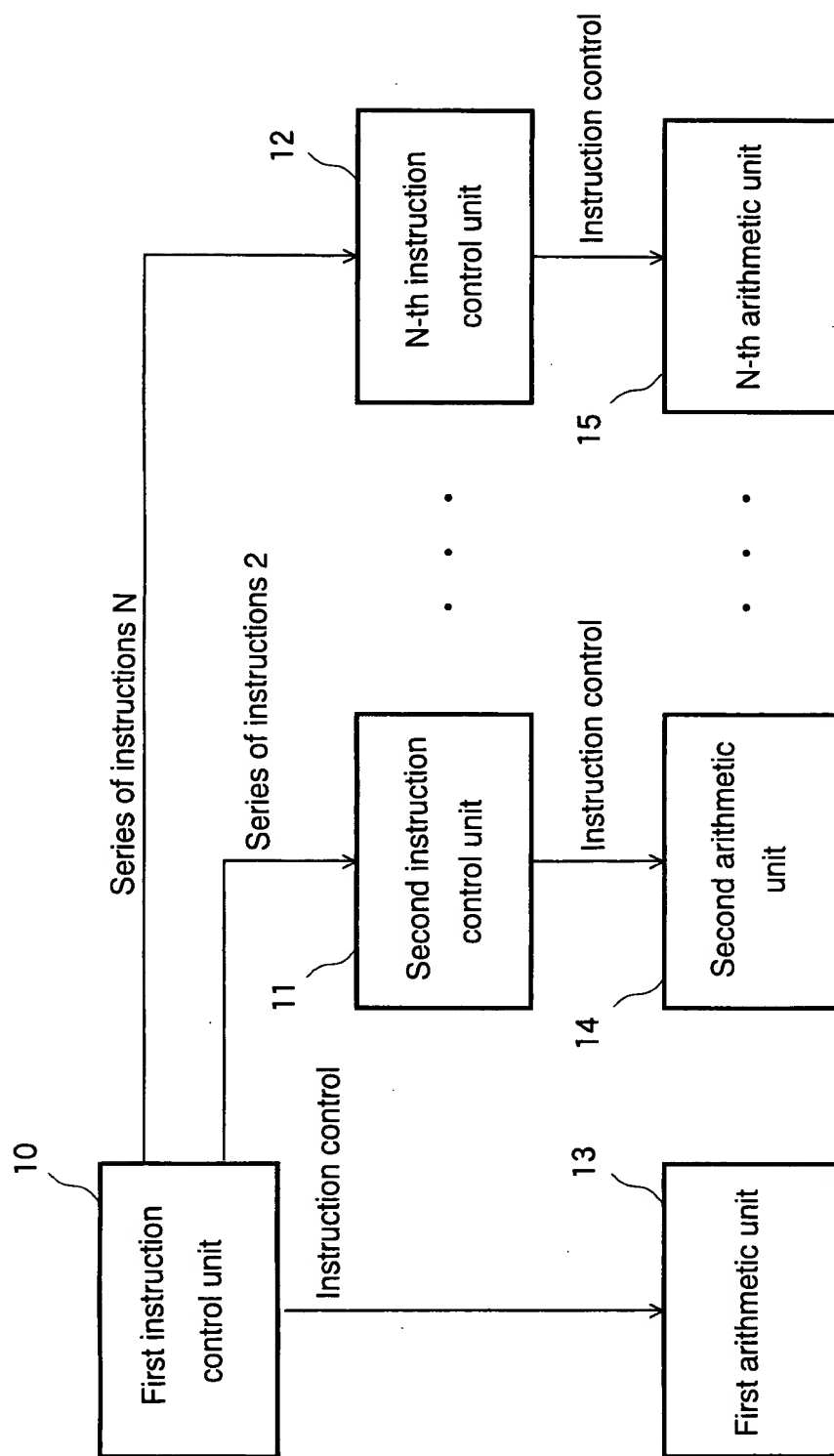


FIG. 2

First instruction memory		Second instruction memory	
Address	Data	Address	Data
0000	Series of instructions 1	0000	Series of instructions 2+
0001	Series of instructions 2	0001	Series of instructions 2+
0002	Series of instructions 1	0002	Series of instructions 2+ (Synchronous execution switching)
0003	Series of instructions 2 (Independent execution switching)		
0004	Series of instructions 1		
0005	Series of instructions 1		
0006	Series of instructions 1		
0007	Series of instructions 1		
0008	Series of instructions 2		

F I G. 3

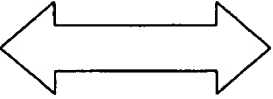
<div>Fine granularity</div> <div></div> <div>Coarse granularity</div>	Instruction level	<ul style="list-style-type: none"><li>• ADD A,B,C : Addition</li><li>• MUL A,B,C : Multiplication</li></ul>
	Function level	<ul style="list-style-type: none"><li>• <math>\text{fft}(x,y)</math> : Fourier transform</li><li>• <math>\text{fir}(x,y)</math> : FIR filter</li></ul>
	Application level	<ul style="list-style-type: none"><li>• MPEG Video (Image CODEC)</li><li>• GSM-AMR(Voice CODEC)</li></ul>
	System level	<ul style="list-style-type: none"><li>• Portable terminal system</li></ul>

FIG. 4

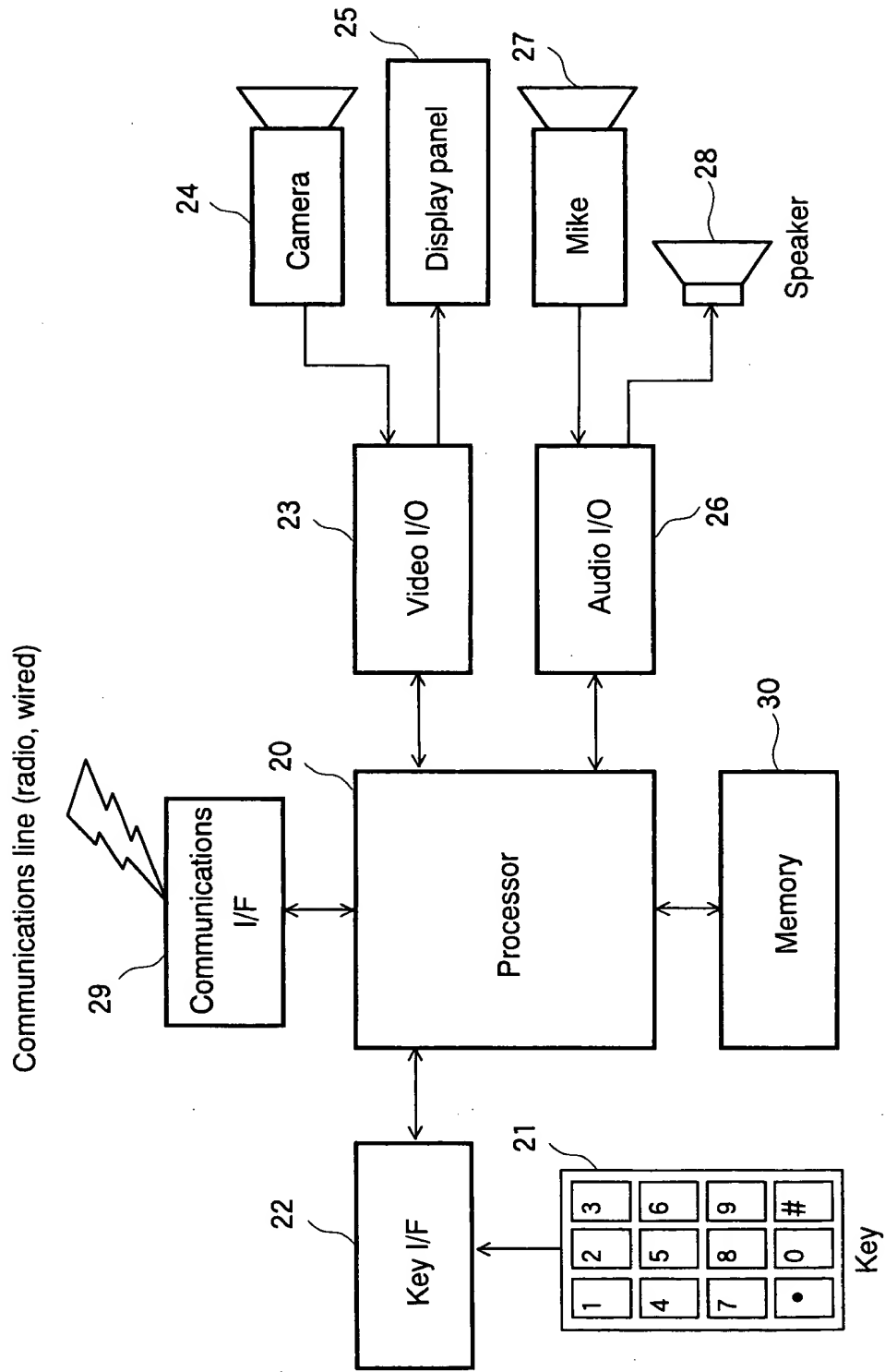


FIG. 5

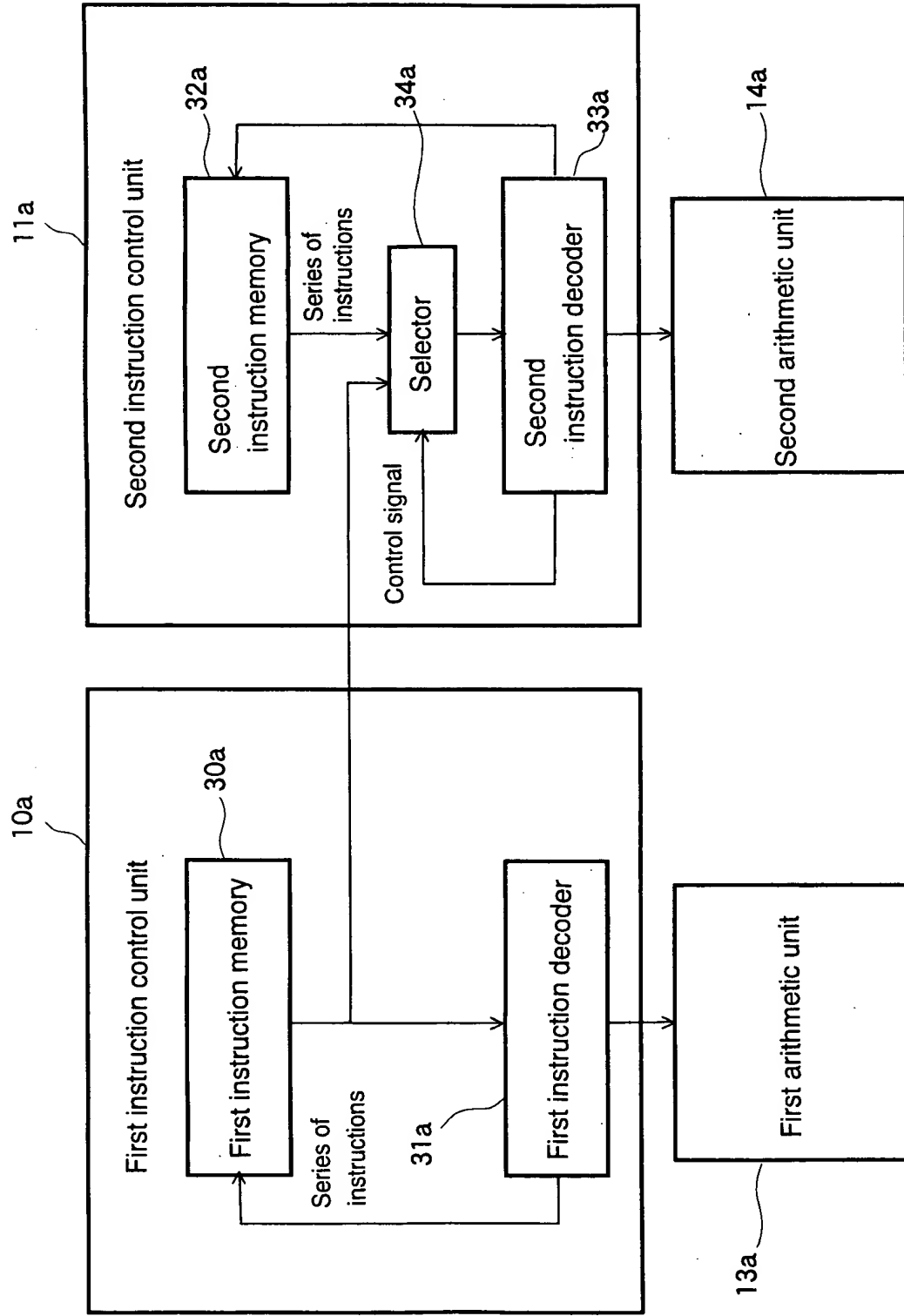


FIG. 6

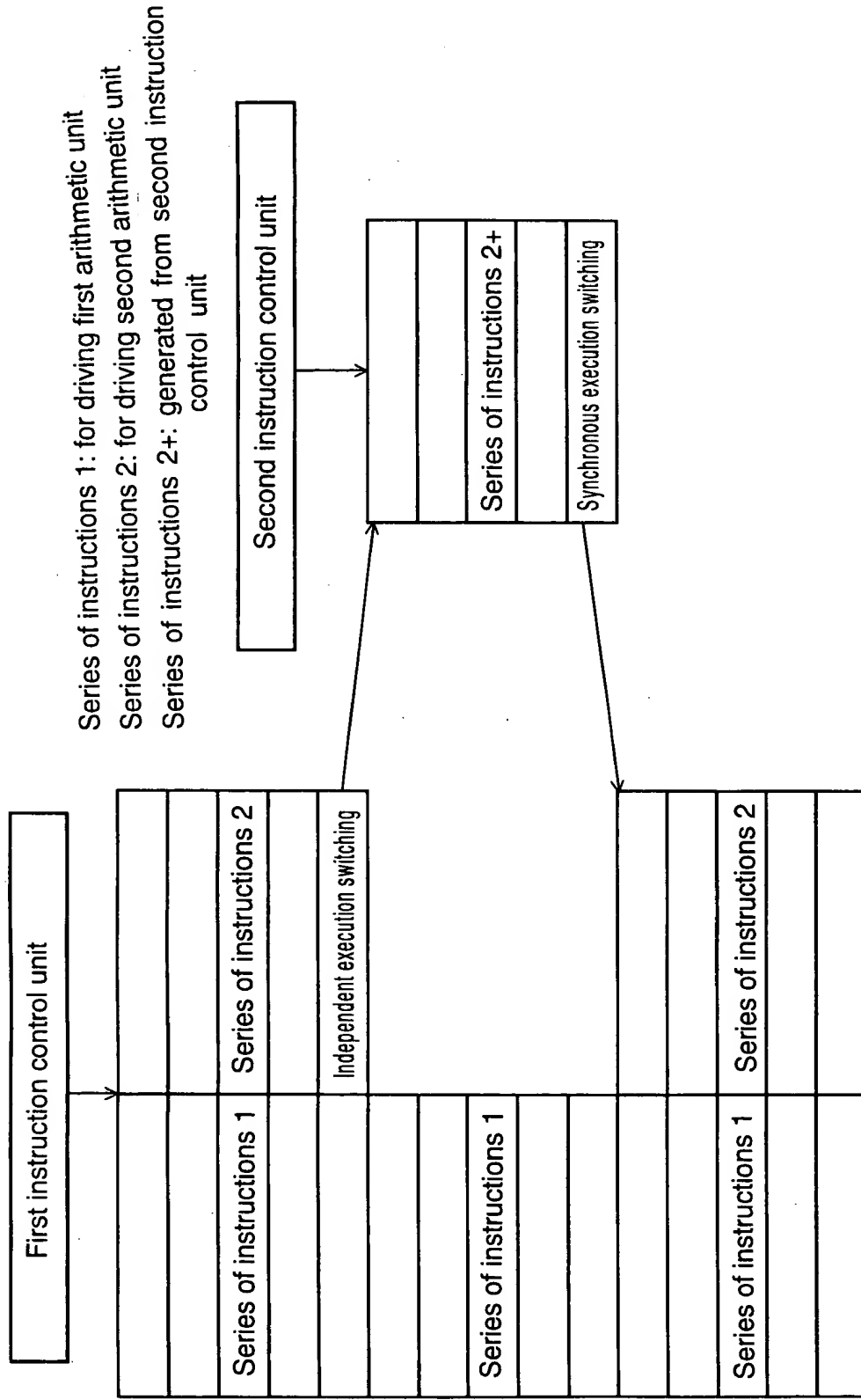


FIG. 7

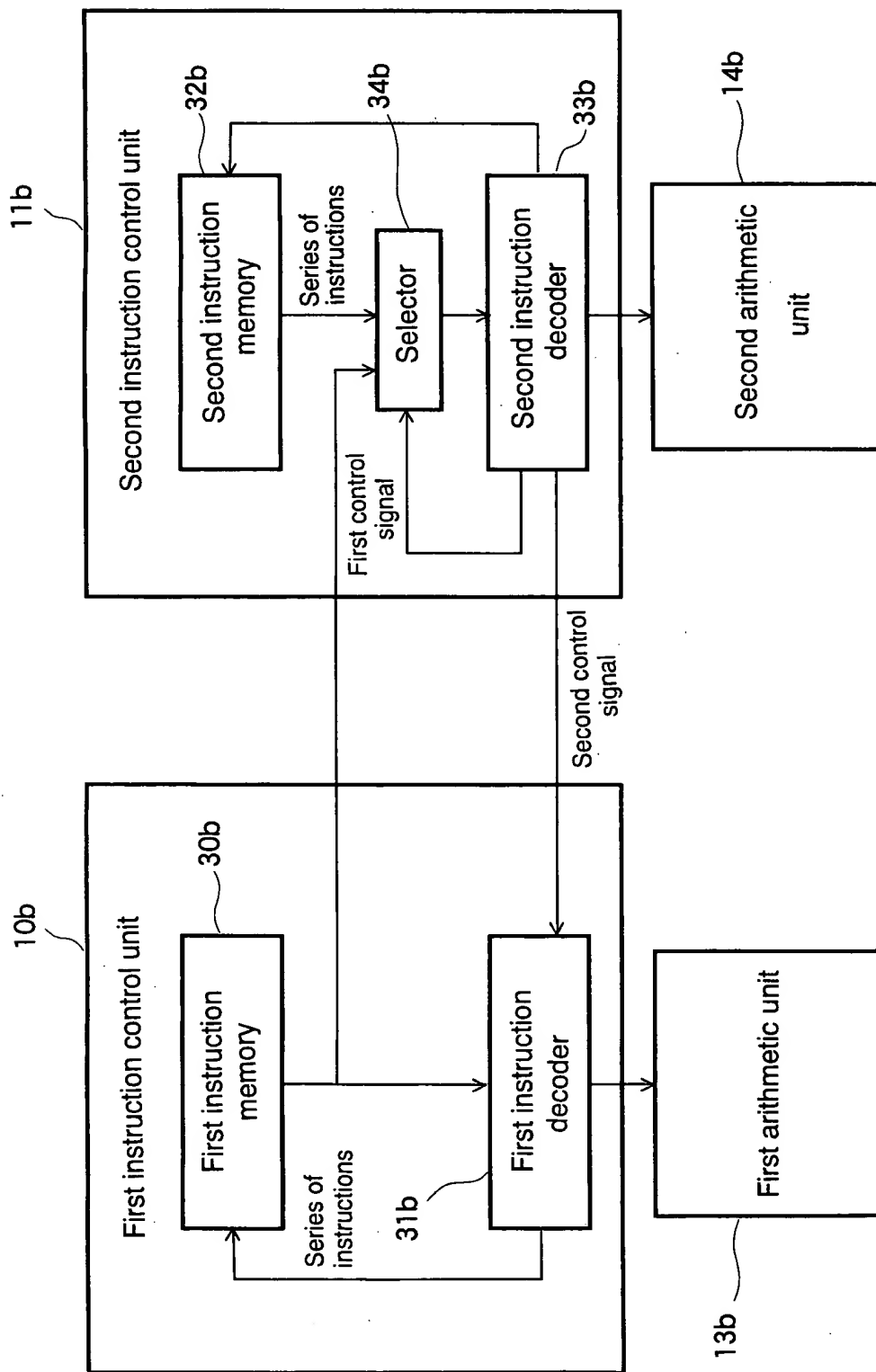


FIG. 8

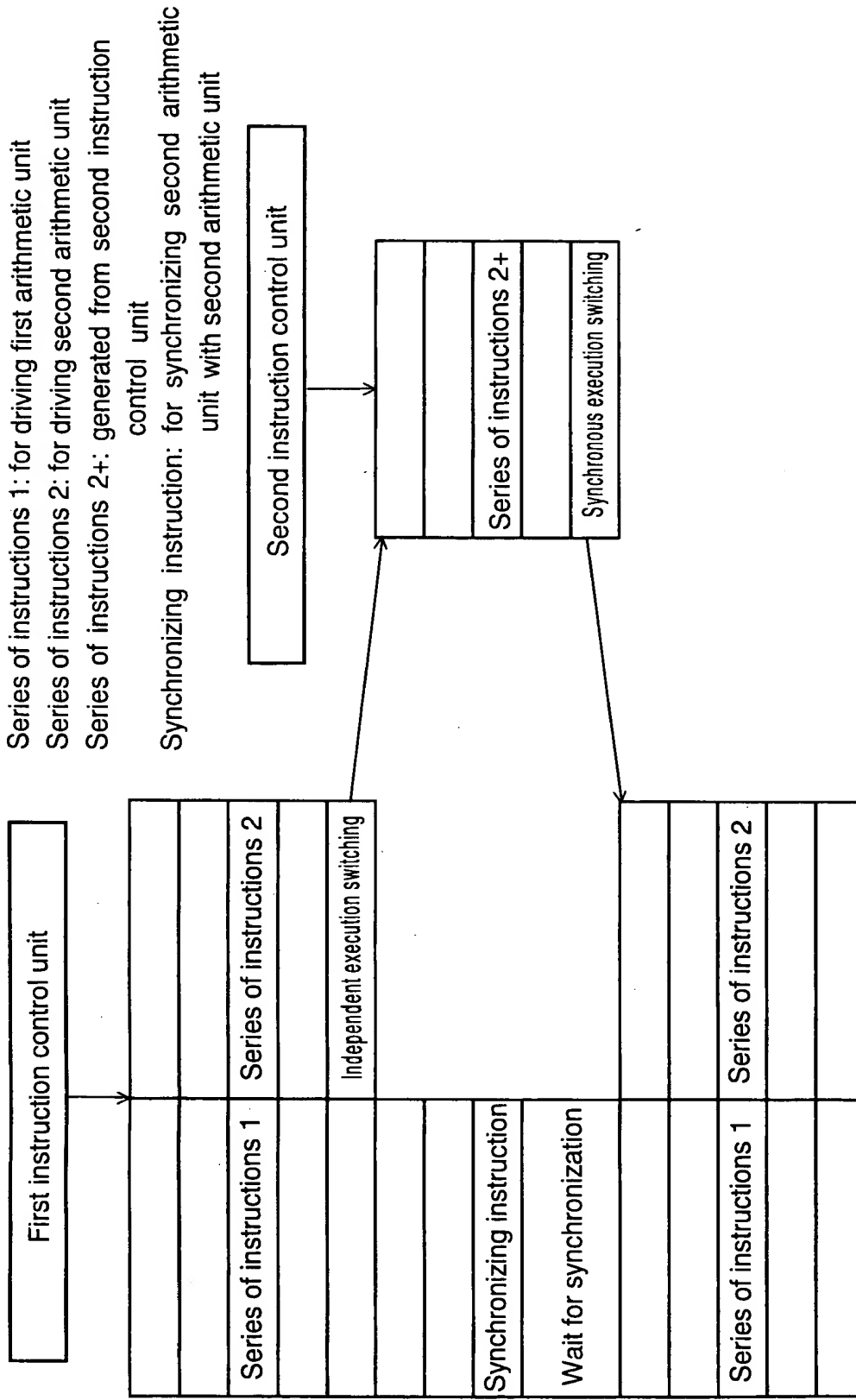




FIG. 9

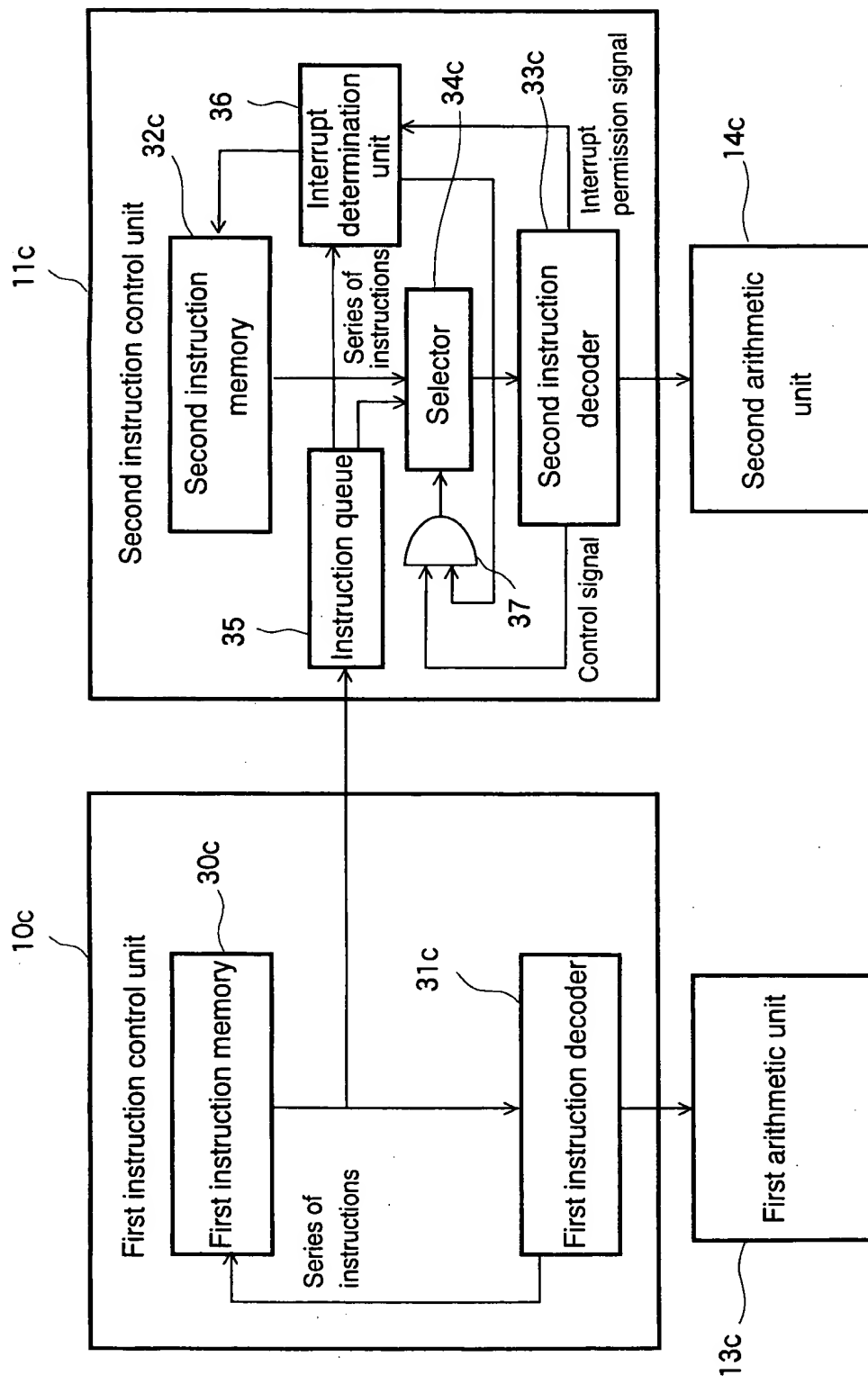


FIG. 10

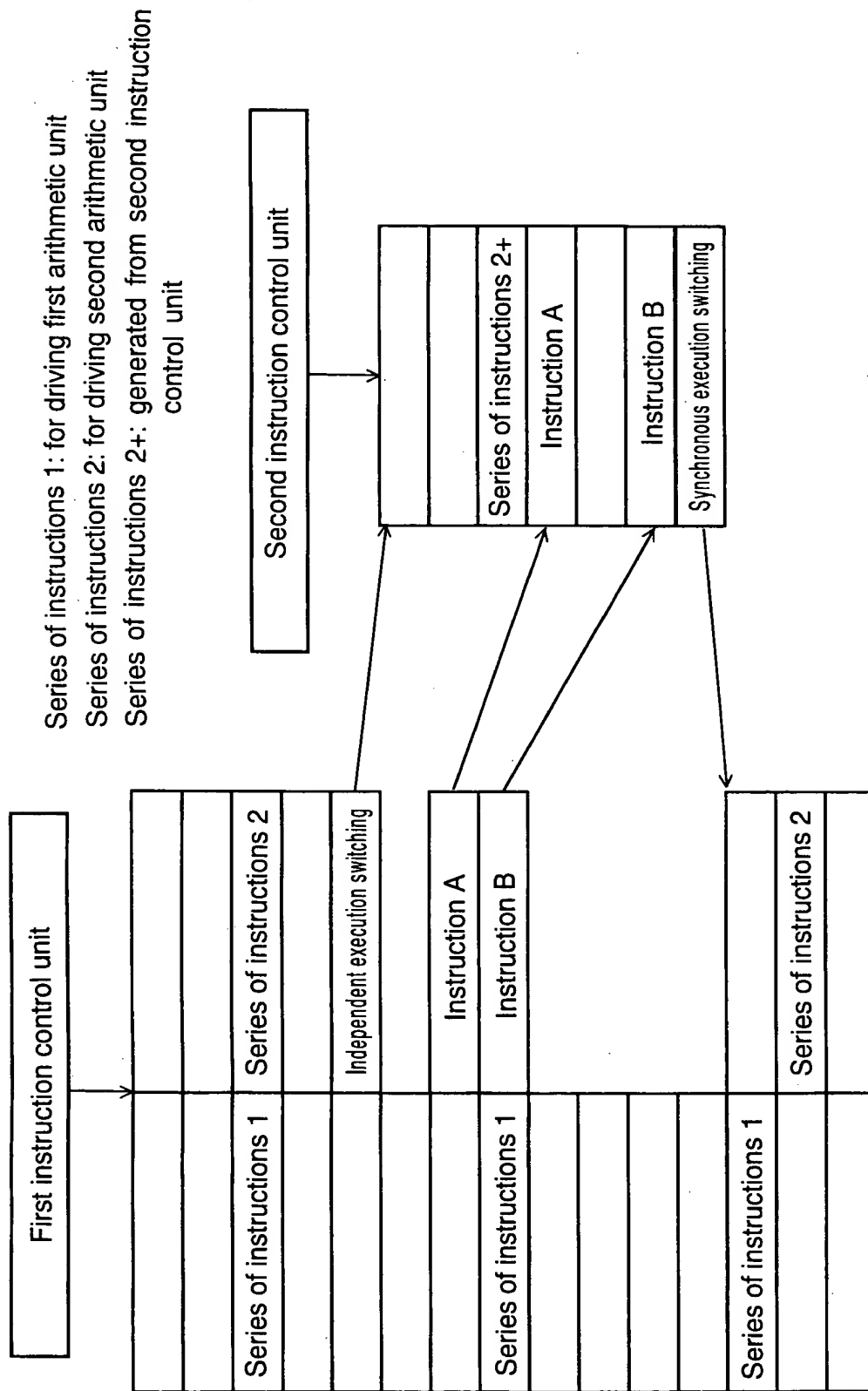


FIG. 11

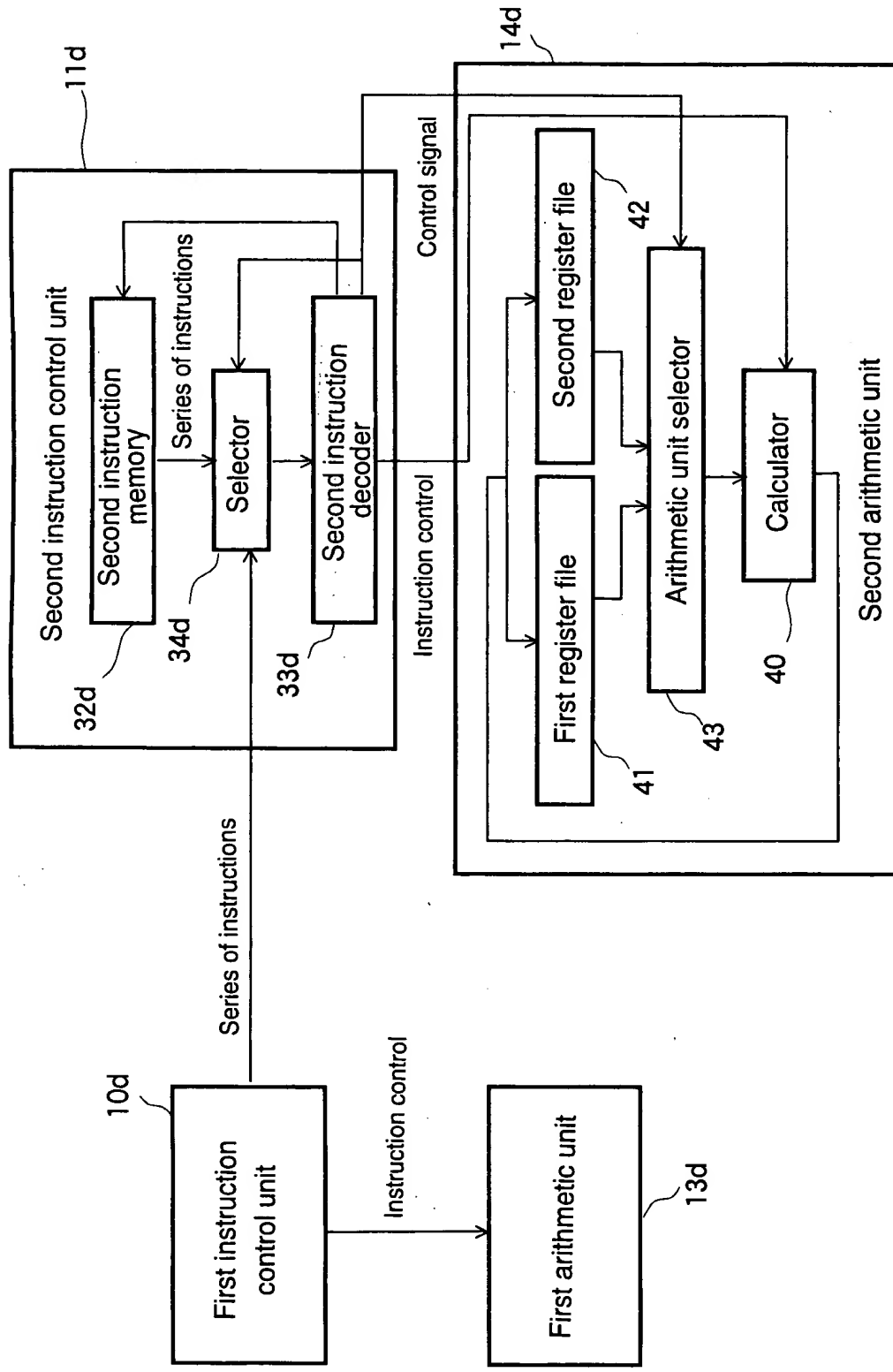


FIG. 12

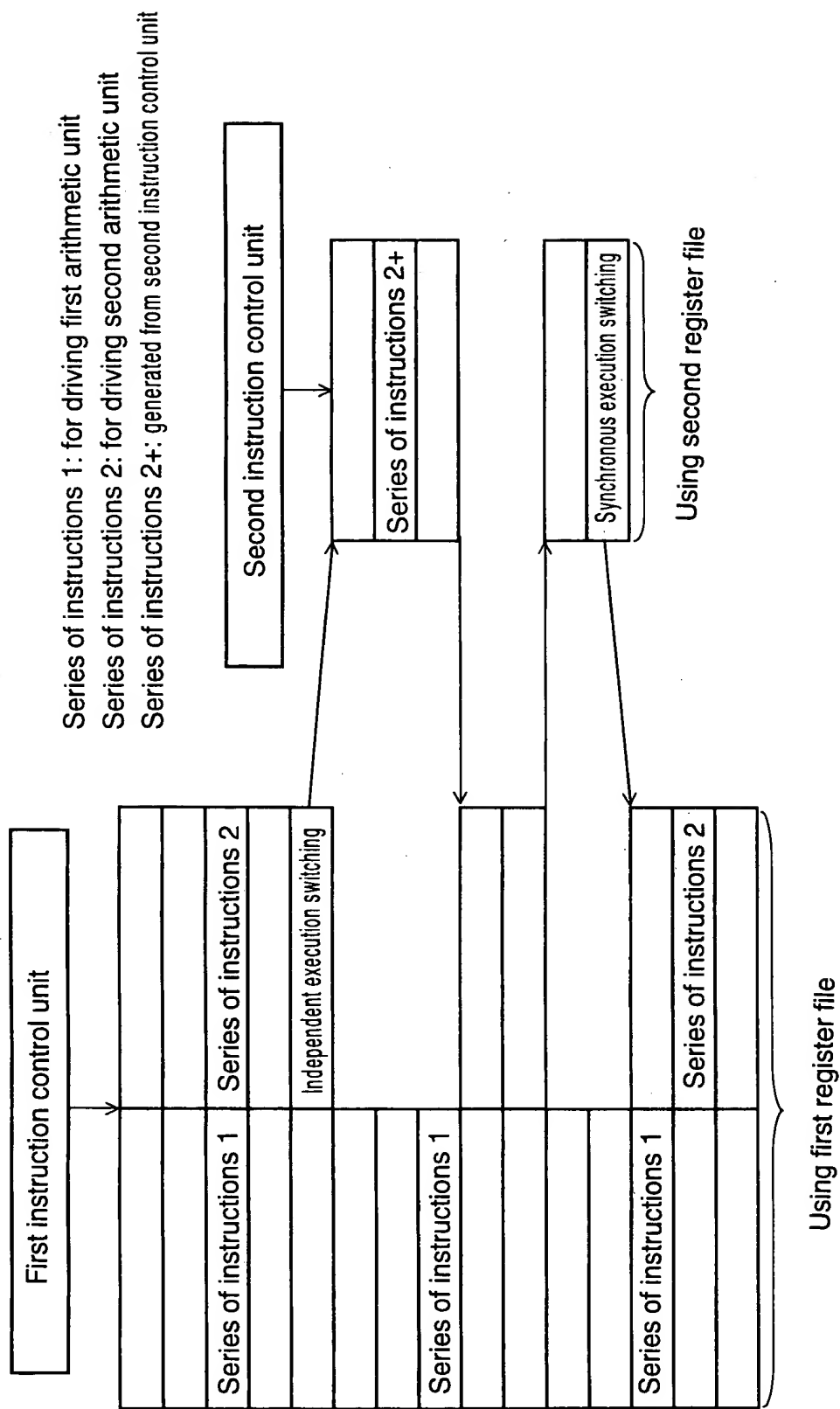




FIG. 14

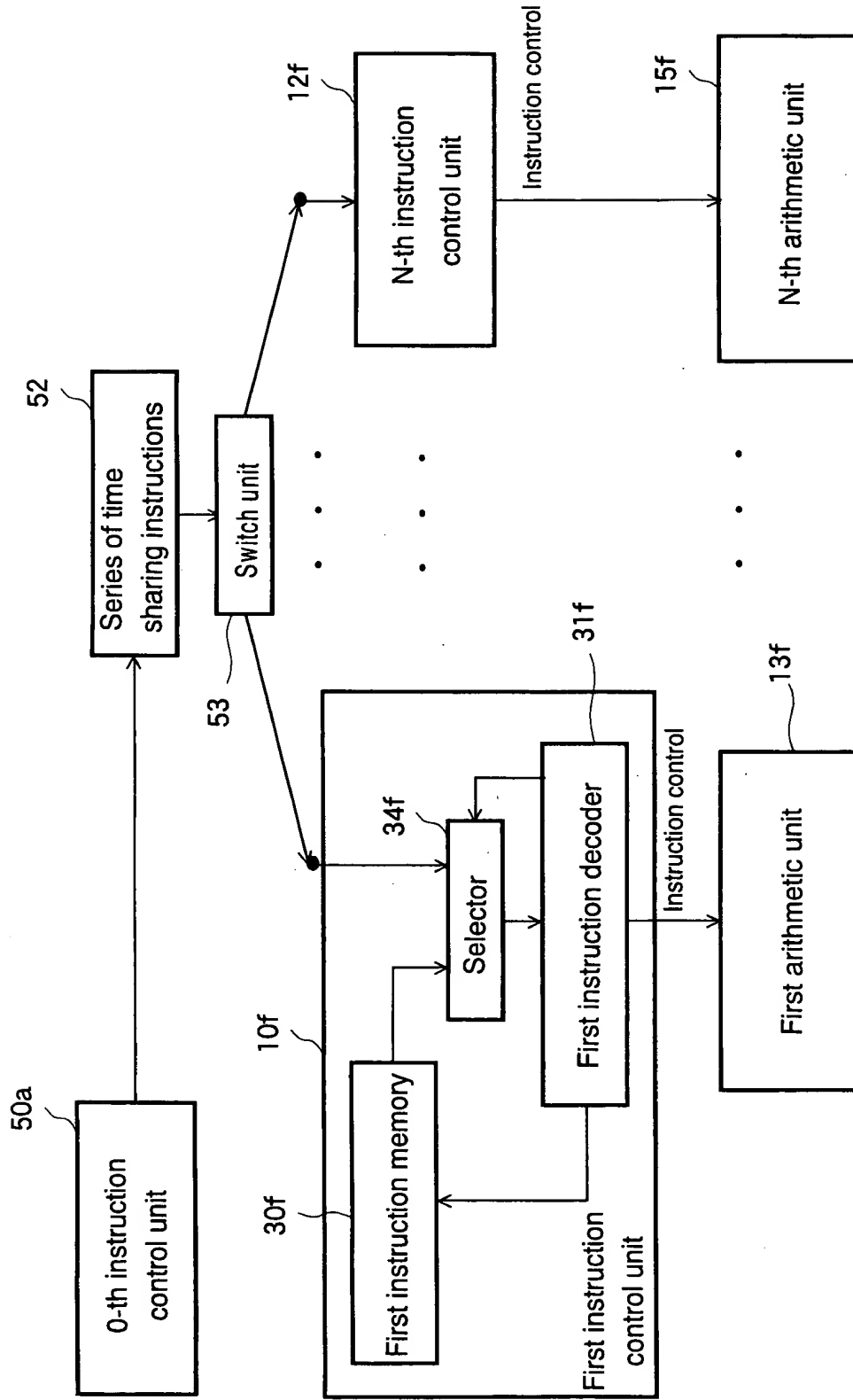


FIG. 15

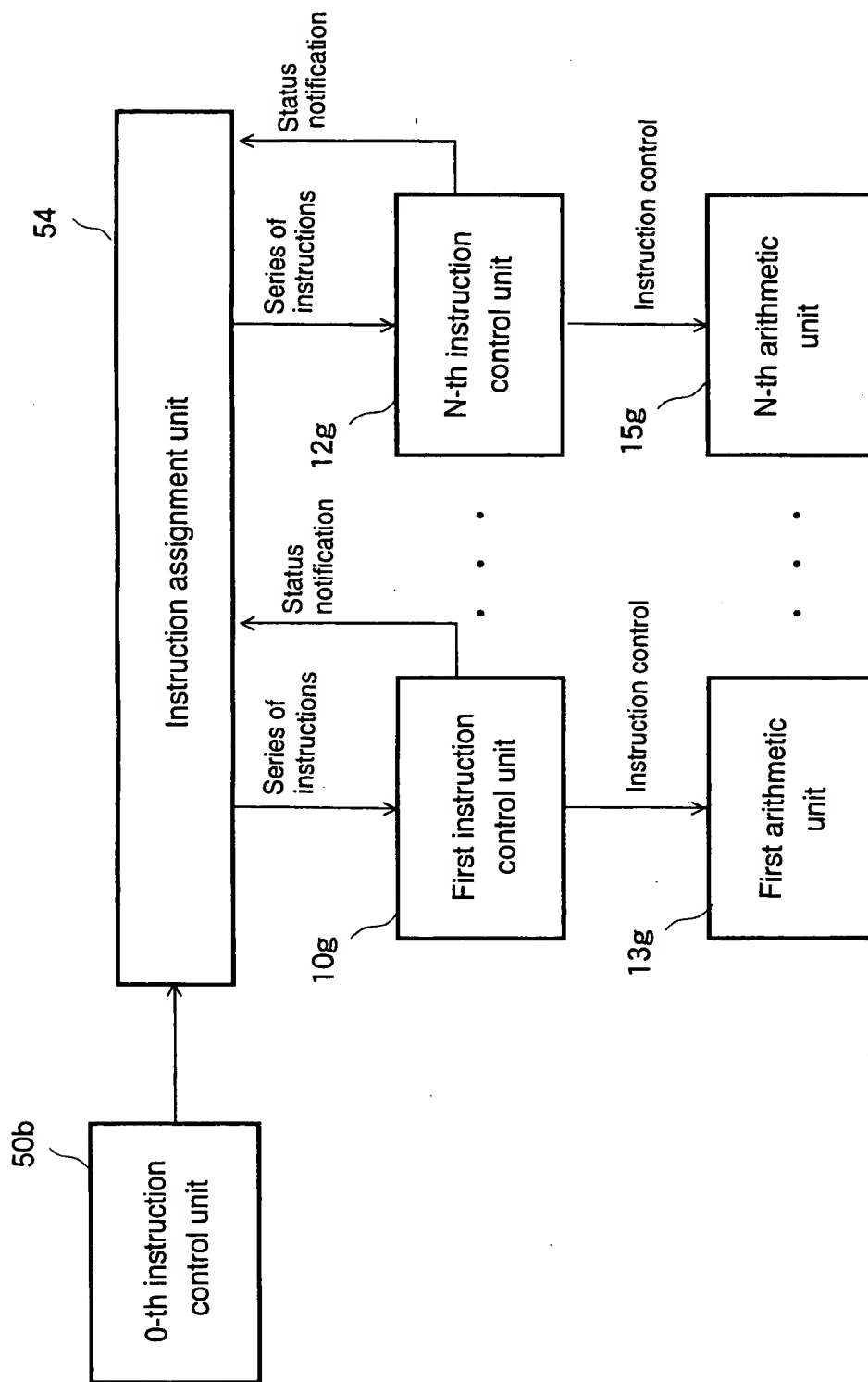


FIG. 16

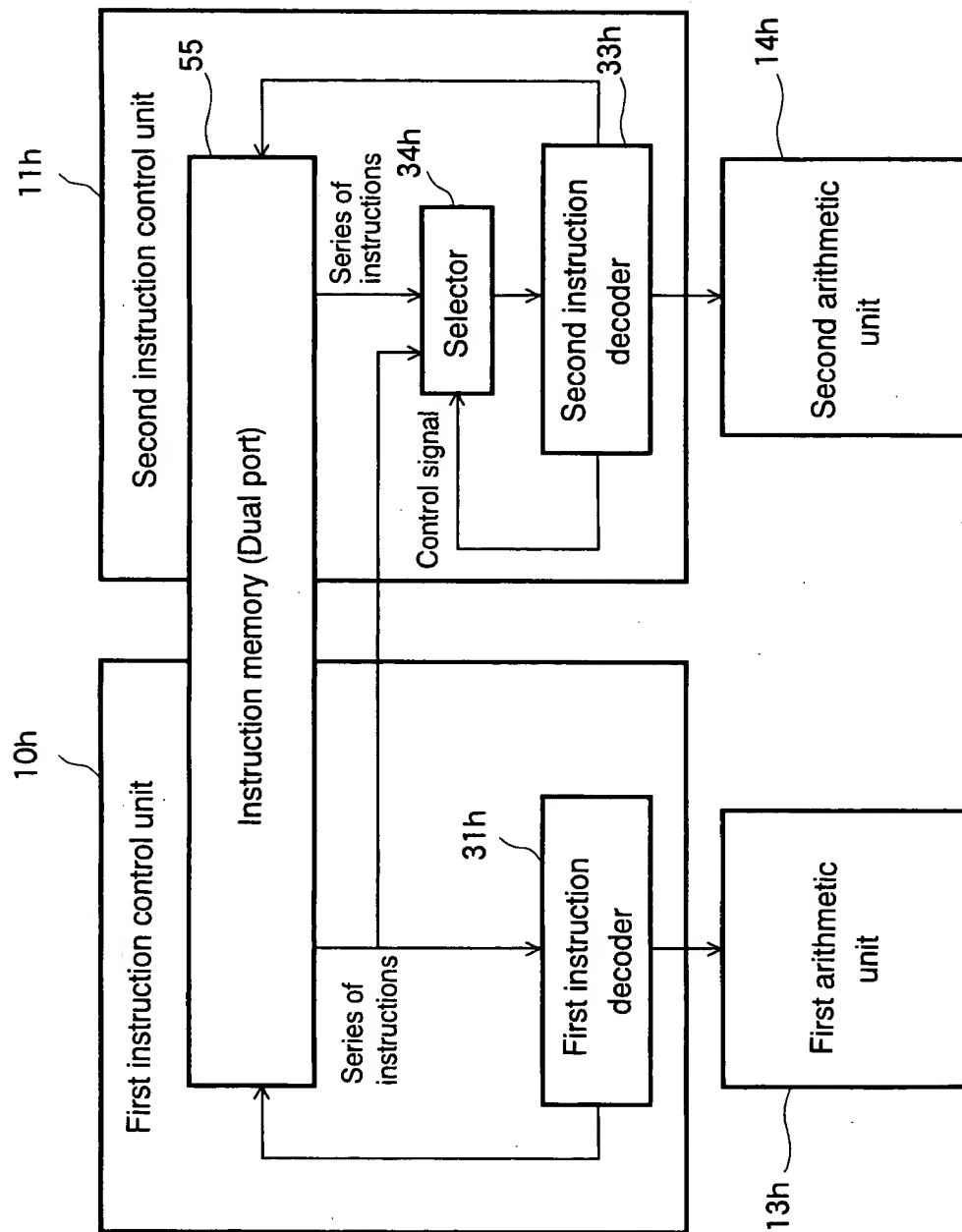




FIG. 17

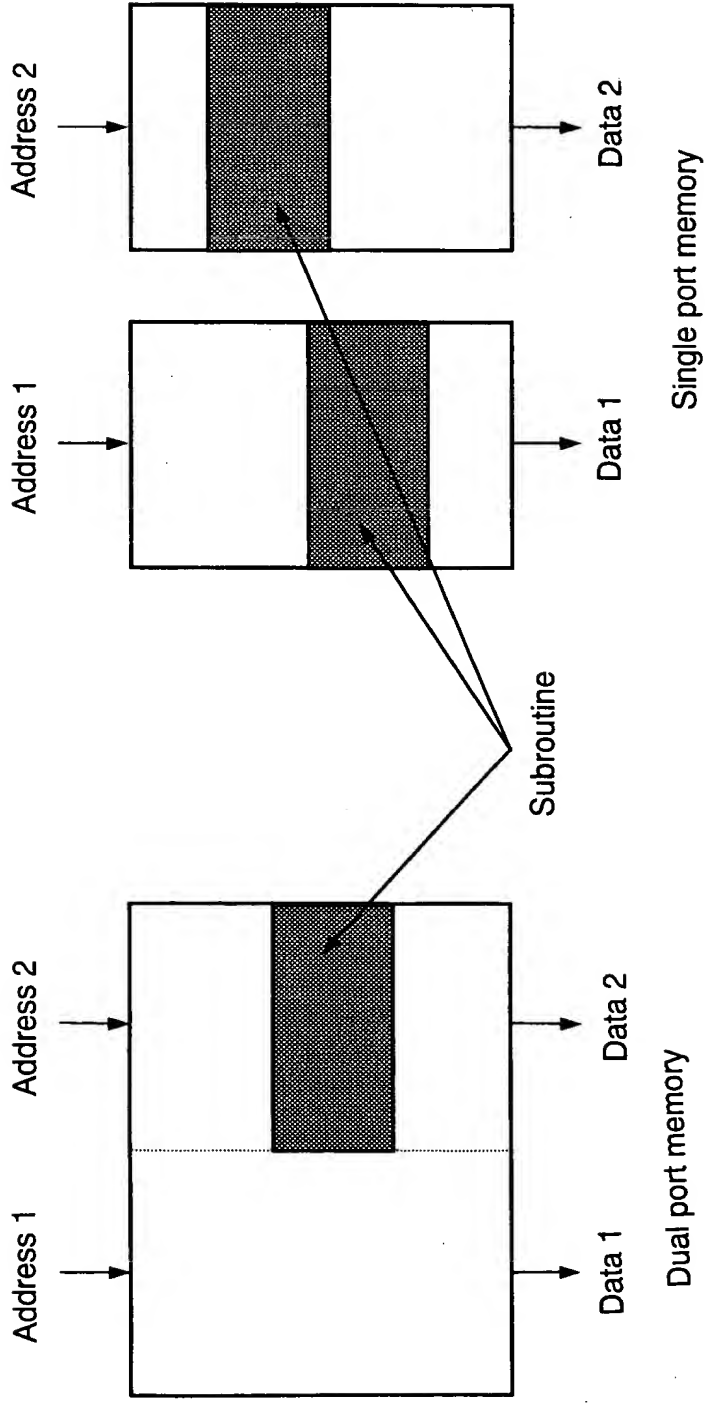


FIG. 18

